



**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR RESOURCES**

OPERATING PERMIT

OSRAM SYLVANIA Products, Inc.

DRAFT PERMIT NO. RI-21-02(R1)

(Expiration date: June 14, 2007)

Pursuant to the provisions of Air Pollution Control Regulation No. 29, this operating permit is issued to:

OSRAM SYLVANIA Products Inc.
1193 Broad Street
Central Falls, RI 02863

This permit shall be effective from the date of its issuance. All terms and conditions of the permit are enforceable by EPA and citizens under the federal Clean Air Act, 42 U.S.C. 7401, et seq., unless specifically designated as not federally enforceable.

**Stephen Majkut, Chief
Office of Air Resources**

Date of revision:

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SECTION I. SOURCE SPECIFIC CONDITION

A. **Requirements for Emissions Unit B003**

The following requirements are applicable to:

- Emissions unit B003, which is a 10.5 MMBTU/hr Kewanee Boiler, Model No. H3S-250-G06, capable of burning natural gas. (Approval No. 552)

1. **Emission Limitations**

a. **Particulates**

The permittee shall not cause or permit the emissions of particulate matter in excess of 0.1 pounds per million BTU actual heat input. [13.2.1]

b. **Opacity**

The permittee shall not emit into the atmosphere any air contaminant for a period or periods aggregating more than three minutes in any one hour, which is greater than or equal to 20 percent opacity. [1.2] Where the presence of uncombined water is the only reason for failure to meet the opacity requirement of this section, such failure shall not be a violation of this permit. [1.4]

2. **Operating Requirements**

- a. The permittee shall tune B003 at least once per year, in accordance with the procedure described in Appendix A of APC Regulation No. 27. [27.4.2(c)]

3. **Testing Requirements**

a. **Particulates**

Compliance with the particulate emissions limitations contained in Condition I.A.1.a of this permit, shall be determined by emission testing conducted by the permittee according to Method 5 of 40 CFR 60, Appendix A, or another method approved by the Office of Air Resources and the USEPA, shall be used. [13.3.1]

The requirements of particulate emissions testing may be waived if the Director and the USEPA:

- (1) Specifies or approves, in a specific case, the use of a reference method with minor changes in methodology; or

- (2) Approves the use of an equivalent or alternative method the results of which he has determined to be adequate for indicating whether a the permittee is in compliance; or
- (3) Finds that the permittee has demonstrated by other means to the Director's and USEPA's satisfaction that the source is in compliance with the relevant emissions standards. [13.3.3]

In the absence of data from particulate emissions testing, the Director and USEPA may determine that an emissions unit is or is not in compliance with the emissions limitations of Condition I.A.1.a of this permit based on available information including, but not limited to, type of fuel burned, design of unit, efficiency of air pollution control systems, operating and maintenance procedures, and emission test results on similar units. [13.3.2]

b. Opacity

Tests for determining compliance with the opacity emission limitations specified in Condition I.A.1.b of this permit shall be performed per 40 CFR 60, Appendix A, Method 9. Additionally, all observers must qualify as per 40 CFR 60, Appendix A, Method 9. [1.3.1, 1.3.2]

4. Monitoring Requirements

- a. On a monthly basis, the permittee shall measure the fuel usage for B003. [27.6.3(a)]

5. Recordkeeping Requirements

- a. The permittee shall record the monthly fuel usage for B003. [27.6.3(a)]
- b. The permittee shall maintain records verifying that a tune-up is performed in accordance with Condition I.A.2.a of this permit. These records shall include the following information:
 - (1) The date the tune-up was performed,
 - (2) The name of the person who performed the tune-up
 - (3) The final excess oxygen setting, and
 - (4) The O₂/CO curve or O₂/smoke curve developed as part of the tune-up procedure. [27.6.8(a-d)]

B. Requirements for Emissions Unit P002

The following requirements are applicable to:

- Emissions unit P002, which is the 52 furnace tank used to produce borosilicate glass. P002 burns natural gas in a gas/oxygen fuel blend at 20 MMBTU/hr heat input. P002 is associated with air pollution control device C001, which is a 444 bag reverse air Industrial Clean Air dust collector, Model No. series 8/size 5260. [Approval No. 129]

1. Emission Limitations

a. Particulates

The emissions rate of particulates discharged to the atmosphere from P002 shall not exceed 0.10 lbs per ton of glass produced or 0.39 lbs/hr, whichever is more stringent. [Approval. No. 1350(I)(A), 40 CFR 60.292(a)(2)]

b. Opacity

Visible emissions from C001 shall not exceed 10 percent opacity (six-minute average) [Approval NO. 1350(I)(C)],1.2] Where the presence of uncombined water is the only reason for failure to meet the opacity requirement of this section, such failure shall not be a violation of this permit. [1.4]

c. Nitrogen Oxides

The emission rate of nitrogen oxide discharged to the atmosphere from P002 shall not exceed 3.50 lbs per ton of glass produced or 13.5 lbs per hour, whichever is more stringent. [Consent Agreement 96-06-AP(7)(b)(1), Approval No. 1350(I)(B)]

d. Boron

The total quantity of boron and borates discharged to the atmosphere from P002, including fugitive emissions, shall not exceed 7,889 pounds in any consecutive 12-month period. [Approval No. 1350(I)(D)]

2. Operating Requirements

- a. The quantity of glass produced from P002 shall not exceed 2,814 tons per month (12 month rolling average). As used in Section I.B of this permit the

quantity of glass produced shall mean the weight of glass pulled from P002. [Approval. No 1350(II)(A)]

- b. P002 shall be fired only with natural gas only using gas/oxygen fuel firing. [Approval No. 1350(II)(B)]
- c. Commercial arsenic, as defined in 40 CFR 61.161, shall not be used as a raw material in P002. [Approval No. 1350(II)(C)]
- d. There shall be no bypassing of C001 at any time. [Approval. No. 1350(VI)(B)]
- e. C001, shall be operated and maintained according to its design specifications and in a manner consistent with good air pollution control practices for minimizing emissions. [16.1]
- f. The permittee shall minimize emissions from P002 in the event of a malfunction of C001, that results in or could result in emissions in excess of the permit limits. During the malfunction, the permittee shall comply with the following bypass procedures until the malfunction has been corrected:
 - (1) Stop batching P002;
 - (2) Cease production and remove the Saturn machines from the process or discontinue HGT draw;
 - (3) Reduce glass pull rate to 30,000 lbs/day until the batch holding bin is empty; and
 - (4) Continue streaming the forehearths at 30,000 pounds per day rate total and batch with 100% glass cullet.

The above procedures for P002 shall remain in effect until the malfunction has been identified and corrected. [Approval No. 1350(VI)(E)(1-4), 16.2]

- g. During routine maintenance of C001, the permittee is exempt from Condition I.B.1.a of this permit if: [40 CFR 60.292(e)(1-3)]
 - (1) Routine maintenance in each calendar year does not exceed 6 days;
 - (2) Routine maintenance is conducted in a manner consistent with good air pollution control practices for minimizing emission; and
 - (3) A report is submitted to the Office of Air Resources 10 days before the start of the routine maintenance (if 10 days cannot be provided,

the report must be submitted as soon as practicable) and the report contains an explanation of the schedule of the maintenance.

- h. At all times, including periods of startup, shutdown and malfunction, the permittee shall, to the extent practicable, maintain and operate P002 and C001 in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Office of Air Resources or the USEPA which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures and inspection of the source. [40 CFR 60.11(d)]

3. Testing Requirements

- a. Particulates

The permittee shall determine compliance with the particulate emission limitations contained in Section I.B.1.a of this permit by the following procedures:

- (1) The emission rate (E) of particulate matter shall be computed for each run using the following equation: [40 CFR 60.296(d)(1)]

$$E = \frac{(c_s Q_{sd} - A)}{P}$$

Where:

E = emission rate of particulate matter g/kg.

c_s = concentration of particulate matter, g/dscm.

Q_{sd} = volumetric flow rate, dscm/hr.

A = zero production rate correction (454 g/hr).

P = glass production rate, kg/hr.

- (2) Method 5 shall be used to determine the particulate matter concentration (c_s) and volumetric flow rate (Q_{sd}) of the effluent gas. The sampling time and sample volume for each run shall be at least 60 minutes and 0.90 dscm (31.8 dscf). The probe and filter holder heating system may be set to provide a gas temperature no greater than 177 ± 14 °C (350 ± 25 °F). [40 CFR 60.296(d)(2)]

- (3) Direct measurement or material balance using good engineering practice shall be used to determine the amount of glass pulled during the performance test. The rate of glass produced is defined as the weight of glass pulled from P002 during the performance test divided by the number of hours taken to perform the performance test. [40 CFR 60.296(d)(3)]

b. Nitrogen Oxides

The permittee shall conduct annual emissions testing for nitrogen oxides by 31 December of each year after the initial testing.

- (1) An emissions testing protocol shall be submitted to the Office of Air Resources for review and approval prior to the performance of any test. The Office of Air Resources shall be notified at least (60) days prior to the emissions test, [27.5.7(b), Approval No. 1350(IV)(C)]
- (2) Emissions testing shall be performed in accordance with the test methods and procedures specified in 40 CFR 60 Subpart CC, and 40 CFR 60 Appendix A, unless other test methods are prescribed by RIDEM. [27.5.7(c), Approval No. 1350(IV)(D)]
- (3) The permittee shall maintain any and all testing ports or platforms necessary to conduct the required emissions testing, provide safe access to any platforms and provide the necessary utilities for sampling and testing equipment, [27.5.7(d), Approval No. 1350(IV)(E)]
- (4) All emissions testing shall be conducted under operating conditions deemed acceptable and representative for the purpose of assessing compliance with the applicable emission limitation, [27.5.7(e), Approval No. 1350(IV)(F)]
- (5) All Emissions testing shall be observed by the Office of Air Resources, or its authorized representative to be considered acceptable, [27.5.7(f), Approval No. 1350(IV)(H)]
- (6) A final report of the emissions test results shall be submitted to the Office of Air Resources no later than (60) days following the completion of the testing. [Consent Agreement 96-06-AP(7)(b)(3), Approval No. 1350(IV)(G), 27.5.7(g)]

c. Opacity

Tests for determining compliance with the opacity emission limitations specified in Condition I.B.1.b of this permit shall be performed per 40 CFR

60, Appendix A, Method 9. Additionally, all observers must qualify as per 40 CFR 60, Appendix A, Method 9. [1.3.1, 1.3.2, 40 CFR 60.296(d)(4)]

- d. The permittee shall conduct emission testing to demonstrate compliance with all applicable emission limitations in Sections I.B.1.a-d of this permit. Testing shall be conducted no later than 90 days after either installation of a third forehearth is completed or a glass production rate of 185,000 pounds per day is achieved, whichever comes first. [Approval No. 1350(IV)(B)]

4. Monitoring Requirements

- a. The permittee shall calibrate, maintain and operate the continuous monitoring system (CMS) for the measurement of opacity discharged to the atmosphere from C001. [Approval No. 1350(III)(A)]
- b. The permittee shall calibrate, maintain and operate a continuous monitoring system for the measurement of the temperature of the gas entering C001. [Approval No. 1350(III)(B)]
- c. The pressure drop across C001 shall be continuously monitored. [Approval No. 1350(III)(C)]
- d. On a monthly basis, the permittee shall measure the fuel usage for P002. [Consent Agreement 96-06-AP(8), 27.6.3(a)]

5. Recordkeeping Requirements

- a. The permittee shall record the monthly fuel usage for P002. [Consent Agreement 96-06-AP(8), 27.6.3(a)]
- b. The permittee shall maintain records of all measurements, including continuous monitoring of opacity, temperature of gas entering C001 and pressure drop across C001. [Approval No. 1350(V)(A)(1)]
- c. The permittee shall maintain records of emissions test data and all calculations used to produce the required reports of emission estimates to demonstrate compliance with the emissions limitations contained in Condition I.B.1(a – c) of this permit. [Approval No. 1350(V)(A)(2),]
- d. The permittee shall record the occurrence and duration of all startups, shutdowns and malfunctions of P002. [Approval No. 1350(V)(A)(3)]
- e. The permittee shall maintain records of the occurrence and duration of any startup, shutdown or malfunction in the operation of P002; any malfunction of C001; or any periods during which the opacity monitor is inoperative.

[Approval No. 1350(V)(A)(3), Approval No. 1350(V)(A)(4), 40 CFR 60.7(b)]

- f. The permittee shall maintain records of maintenance and repairs for C001. [Approval No. 1350(V)(A)(5)]
- g. The permittee shall check the pressure drop at least once per day and the date, time, and measurement shall be recorded. [Approval No. 1350(III)(C)]
- h. The permittee shall on a monthly basis, no later than 15 days after the first of the month, determine the weight of glass pulled from P002 during the previous month, and the monthly average of the weight of glass pulled from P002 for the previous twelve months. The permittee shall keep records of this determination and provide such records to the Office of Air Resources upon request. [Approval No. 1350(V)(E)]
- i. The permittee shall maintain a file of all measurements, including continuous monitoring system, monitoring devices and performance testing measurements; all CMS calibration checks; adjustments and maintenance performance on these systems or devices; and all other information required shall be recorded in a permanent form suitable for inspection. [40 CFR 60.7(f)]
- j. The permittee shall, on a monthly basis, no later than 15 days after the first of the month, determine the total quantity of boron and borates discharged to the atmosphere from P002, including fugitive emissions, for the previous month and previous 12 months. The permittee shall keep the records of this determination and provide such records to the Office of Air Resources upon request. [Approval No. 1350(V)(G)]

6. Reporting Requirements

- a. The permittee shall notify the Office of Air Resources whenever the weight of glass pulled from P002 exceeds 2,814 tons per month (12 month rolling average). [Approval No. 1350(V)(F)]
- b. The permittee shall notify the Office of Air Resources of any anticipated non-compliance with the terms of this section of the permit or any other applicable air pollution control rules and regulations. [Approval No. 1350(V)(D)].
- c. If the permittee's glass melting furnace is changed to one with modified processes, the permittee shall notify the EPA at least 60 days before the change is scheduled to occur. [40 CFR 60.296(a)]

- d. The permittee shall notify the Office of Air Resources in writing, of the anticipated date the third forehearth installation will be completed not more than 60 days nor less than 30 days prior to such date. [Approval No. 1350(V)(B)]
- e. The permittee shall notify the Office of Air Resources in writing of:
 - (1) The date the third forehearth installation is completed, and;
 - (2) The date a glass production rate of 185,000 pounds per day is achieved;Notification shall be provided no later than fifteen days after such date. [Approval No. 1350(V)(C)(1-2)]
- f. The permittee shall notify the Office of Air Resources whenever the total quantity of boron and borates discharged to the atmosphere from P002, including fugitive emissions, exceeds 7,889 pounds in any consecutive 12-month period. [Approval No. 1350(V)(H)]
- g. The permittee shall notify the Office of Air Resources, in writing, of any noncompliance with the terms of Section I.B of this permit within 30 calendar days of becoming aware of such occurrence and supply the Director with the following information:
 - (1) The name and location of the facility;
 - (2) The subject source(s) that caused the noncompliance with the permit term;
 - (3) The time and date of first observation of the incident of noncompliance;
 - (4) The cause and expected duration of the incident of noncompliance;
 - (5) The estimated rate of emissions (expressed in lbs/hr or lbs/day) during the incident and the operating data and calculations used in estimating the emission rate;
 - (6) The proposed corrective actions and schedule to correct the conditions causing the incidence of noncompliance. [Approval No. 1350(V)(J)(1-6)]

7. Other Requirements

- a. To the extent consistent with the requirements of Section I.B. of this permit and applicable federal and state laws, the equipment shall be operated in accordance with representation of the facility in the preconstruction permit application prepared by ESS Group, Inc. dated 28 June 2004. [Approval No. 1350 (VI)(A)]
- b. Emission unit P002 is subject to the requirements of 40 CFR 60 Subpart A, "General Provisions" and Subpart CC "Standards of Performance for Glass Manufacturing Plants". Compliance with all applicable provisions therein is required, unless otherwise stated in this permit.
- c. The Office of Air Resources may request the permittee undergo RACT review every three years of operation after the execution of CA-96-06-AP, or upon petition from the permittee. [CA-96-06-AP(11)]
- d. As used throughout Section I.B. of this permit, the term "malfunction" shall mean any sudden failure of C001 or of a process to operate in a normal or usual manner so that emissions of particulates or nitrogen oxides are increased. [Approval No. 1350(VI)(G)]
- e. At all times, including periods of startup, shutdown and malfunction, the permittee shall, to the extent practicable, maintain and operate P002 in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Office of Air Resources which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures and inspection of the source. [Approval No. 1350 (VI)(F)]

C. Requirements for Emissions Unit P016

- Emissions unit P016, which is a DeVilbiss/Binks spray paint booth, Gun Model No. 2001 THE, LPLV. P016 is equipped with (4) 450 deg. F electric powered drying ovens.

1. Emission Limitations

- a. The quantity of volatile organic compounds (VOC) emitted from emissions unit P016, but not limited to this emissions unit, shall not exceed 98,000 pounds in any consecutive 12 month period.[15.2.5(a), 01-02-AP-CA6]

2. Operating Requirements

- a. If the emission limitation in condition I.C.1.a. is exceeded the permittee must immediately install and operate in compliance with RACT pursuant to Air Pollution Control Regulation No. 15, Section 15.3.10. [15.3.10, 01-02-AP-

CA8]

3. Recordkeeping Requirements

- a. The permittee shall keep and maintain monthly records sufficient to determine actual volatile organic emissions from Emissions unit P016 for the previous 12 months. The recordkeeping requirements shall include the following: [15.2.5(a)(b), 01-02-AP-CA7]
 - (1) Process information [15.4.10(d)];
 - (2) Coating formulation data including the name of the coating, the color of the coating if the color is used as part of its name, the identification number for the coating that can be used to relate consumption data for that coating to its formulation data, the density of the coating (lbs coating/gallon of coating), the total VOC content of the coating by weight percent, the water content of the coating by weight percent, the solids content of the coating as a volume percent, the percentage by weight of the coating that consists of exempt solvents as identified in APC Regulation 15, Section 15.1.2, and the formulation of the diluents used (lbs VOC/gallon of diluent); and [15.4.10(e), 01-02-AP-CA7(a)]
 - (3) Coating and diluent consumption data for each piece of equipment, VOCs emitted, daily wash up and clean up solvent and [15.4.10(g), 01-02-AP-CA7(b)]
 - (4) Any other data necessary to show compliance. [15.4.10(h), 01-02-AP-CA7(c)]

4. Reporting Requirements

- a. The permittee shall notify the Office of Air Resources in writing within 30 days, whenever the quantity of volatile organic compounds emitted exceeds 98,000 pounds in any consecutive 12 month period. [15.2.5(b)]

D. Requirements for Emissions Unit P023

- Emissions unit P023, which consists of a batch mixer that is used with the 52 furnace tanks (P002), Voeller Model No. DUL4F5-CM350VB. P023 is associated with air pollution control device C015, which is a 20 bag pulse-jet DCE dust collector, Model No. DU15F5.

1. Emission Limitations

- a. Opacity

The permittee shall not emit into the atmosphere any air contaminant for a period or periods aggregating more than three minutes in any one hour, which is greater than or equal to 20 percent opacity. [1.2] Where the presence of uncombined water is the only reason for failure to meet the opacity requirement of this section, such failure shall not be a violation of this permit. [1.4]

b. Particulates

The permittee shall not emit into the atmosphere in any one hour from P023 particulate matter in excess of that determined from the following equation:

$$E = 4.10 P^{0.67}$$

Where: E = allowable rate of emissions in lb/hr, and;

P = process weight rate in tons/hr

The process weight rate will be determined by dividing the total process weight by the number of hours in one complete operation, excluding any time during which the equipment is not operating.

2. Operating Requirements

- a. C015 shall be operated and maintained according to their design specifications and in a manner consistent with good air pollution control practices for minimizing emissions. [16.1]
- b. In the case of malfunction of C015, all reasonable measures shall be taken to assure resumption of the designed control efficiency as soon as possible. In the event that the malfunction of C015, is expected or may reasonably be expected to continue for longer than 24 hours and if the permittee wishes to operate P023 beyond that period, the Director shall be petitioned for a variance under Section 23-23-15 of the General Laws of Rhode Island, as amended. Such petition shall include but is not limited to, the following:
- (1) Identification of the specific air pollution control system (ie. C015) and the source on which it is installed (ie. P023),
 - (2) The expected period of time that the control system will be malfunctioning or out of service,
 - (3) The nature and quantity of air contaminants likely to be emitted during malfunction/down-time,
 - (4) Measures that will be taken to minimize the length of the malfunction/down-time, and

- (5) The reasons it would be impossible or impractical to cease the source operation during the malfunction/down-time. [16.2]

3. Monitoring Requirements

- a. Pressure drop across control devices C015 shall be monitored continuously while in operation. [29.6.3(b)]

4. Testing Requirements

- a. Opacity

Tests for determining compliance with the opacity emission limitations specified in Condition I.D.1.a of this permit shall be performed per 40 CFR 60, Appendix A, Method 9. Additionally, all observers must qualify as per 40 CFR 60, Appendix A, Method 9. [1.3.1, 1.3.2]

- b. Particulates

Compliance with the particulate emissions limitations specified in condition I.D.1.b of this permit shall be demonstrated by one of the following procedures:

- (1) Emissions testing conducted by the permittee according to 40 CFR 60, Appendix A, Method 5, or another method approved by the Director and USEPA, or
- (3) Technical evaluation based on such factors which may include the potential of P023 to emit particulates, process design, design efficiency of air pollution control systems and emissions test results on similar processes. [3.3]

5. Recordkeeping Requirements

- a. The permittee shall check the pressure drop across C015 a minimum of once per day while in operation and the date, time and a measurement shall be recorded. [29.6.3(b)]

E. Requirements for Emission Units P005, P006 and P007

- Emission unit P005 which is a 6.0 MMBTU/hr E.W. Bowman conveyORIZED annealing oven, Model No. 11-3768, which burns natural gas.

- Emission unit P006, which is a 3.44 MMBTU/hr E.W. Bowman conveyORIZED annealing oven, Model No. 11-4322, which burn natural gas
- Emission unit P007, which is a continuous glass tubing draw line from P002. Tubing is cut, trimmed and glazed into various lengths by end forming equipment employing natural gas and hydrogen gas.

There are no specific applicable requirements for P005, P006 and P007. This does not relieve the permittee from compliance with the provisions of the General Conditions, outlined in Section II of this permit, as they apply P005, P006 and P007.

SECTION II. GENERAL CONDITIONS

A. Annual Emissions Fee Payment

The permittee shall pay an annual emissions fee as established in Air Pollution Control Regulation No. 28 "Operating Permit Fees". [29.6.8(d)]

B. Permit Renewal and Expiration

This permit is issued for a fixed term of 5 years. The permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least 12 months prior to the date of permit expiration. Upon receipt of a complete and timely application for renewal, this source may continue to operate subject to final action by the Office of Air Resources on the renewal application. In such an event, the permit shield in Condition II.Y of this permit shall extend beyond the original permit term until renewal. This protection shall cease to apply if, subsequent to a completeness determination, the applicant fails to submit by the deadline specified in writing by the Office of Air Resources any additional information identified as being needed to process the application. The application for renewal shall include the current permit number, description of permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. [29.6.8(a), 29.4.2(c), 29.4.6]

C. Transfer of Ownership or Operation

This permit is nontransferable by the permittee. Future owners and operators must obtain a new operating permit from the Office of Air Resources. A change in ownership or operational control of this source is treated as an administrative permit amendment if no other change in this permit is necessary and provided that a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the current and new permittee has been submitted to the Office of Air Resources. [29.10.1(a)(4)]

D. Property Rights

This permit does not convey any property rights of any sort, or any exclusive privilege. [29.6.8(c)(4)]

E. Submissions

1. Reports, test data, monitoring data, notifications, and requests for renewal shall be submitted to :

RIDEM - Office Air Resources
Compliance Assurance Section
235 Promenade St. Room 230
Providence, RI 02908

2. Any records, compliance certifications and monitoring data required by the provisions of this permit to be submitted to USEPA shall be sent to:

USEPA Region I
Office of Environmental Stewardship
Director, Air Compliance Program
Attn: Air Compliance Clerk
One Congress St. Suite 1100 (SEA)
Boston, MA 02114-2023

3. Any document submitted shall be certified as being true, accurate, and complete by a responsible official. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the certification are true, accurate, and complete. [29.6.8(e)]

F. Inspection and Entry

1. Employees of the Office of Air Resources and its authorized representatives shall be allowed to enter this facility at all reasonable times for the purpose of: [29.6.8(f)(1)]
 - a. having access to and copying at reasonable times any records that must be kept under the conditions of this permit; [29.6.8(f)(2)]
 - b. inspecting at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and [29.6.8(f)(3)]
 - c. sampling or monitoring, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements.[RIGL 23-23-5(7), 29.6.8(f)(4), Approval No. 1536(D)(4), Approval Nos. 946, 947, 1442 & 1443(E)(4), Approval No. 1350(VI)(C)]

Nothing in this condition shall limit the ability of EPA to inspect or enter the premises of the permittee under Section 114 or other provisions of the Clean Air Act.

G. Compliance

1. The permittee must comply with all conditions of this permit. Any noncompliance with a federally-enforceable permit condition constitutes a violation of the Clean Air Act and is grounds for enforcement action, for permit termination, revocation and reissuance or modification, or for denial of a permit renewal application. Any noncompliance with a permit condition designated as state only enforceable constitutes a violation of state rules only and is grounds for enforcement action, for permit termination, revocation and reissuance or modification, or for denial of a permit renewal application. [29.6.8(c)(1)]
2. For each unit at the facility for which an applicable requirement becomes effective during the permit term, the permittee shall meet such requirements on a timely basis unless a more detailed schedule is expressly required by the applicable requirement. [29.6.5(a)]
3. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [29.6.8(c)(2)]

H. Excess Emissions Due to an Emergency

As the term is used in this condition an "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of this source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes this source to exceed a technology-based emission limitation under this permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error. [29.6.11(b)]

Technology-based emission limits are those established on the basis of emission reductions achievable with various control measures or process changes (e.g., a new source performance standard) rather than those established to attain a health based air quality standard.

The permittee may seek to establish that noncompliance with a technology-based emission limitation under this permit was due to an emergency. To do so, the permittee shall demonstrate the affirmative defense of emergency through properly signed, contemporaneous operating logs, or other relevant evidence that: [29.6.11(a) & 29.6.11(c)]

1. an emergency occurred and that the permittee can identify the cause(s) of the emergency; [29.6.11(c)(1)]
2. the permitted facility was at the time being properly operated; [29.6.11(c)(2)]

3. during the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards, or other requirements in this permit; and [29.6.11(c)(3)]
4. the permittee submitted notice of the emergency to the Office of Air Resources within 2 working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken. This notice fulfills the requirements of Condition II.AA.3 of this permit. [29.6.11(c)(4)]

The permittee shall have the burden of proof in seeking to establish the occurrence of an emergency. [29.6.11(d)]

I. Duty to Provide Information

The permittee shall furnish to the Office of Air Resources, within a reasonable time, any pertinent information that the Office of Air Resources may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Office of Air Resources copies of records that the permittee is required to keep by this permit, or for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. [29.6.8(c)(5)]

J. Duty to Supplement

The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to the Office of Air Resources. The permittee shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete renewal application was submitted but prior to release of a draft permit. [29.5.4]

K. Reopening for Cause

The Office of Air Resources will reopen and revise this permit as necessary to remedy deficiencies in the following circumstances:

1. Additional requirements under the Clean Air Act become applicable to a major source 3 or more years prior to the expiration date of this permit. Such a reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the expiration date of this permit, unless this permit or any of its terms and conditions have been extended. [29.6.13(a)]

2. The Office of Air Resources or the Administrator determines that this permit contains a material mistake or inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit. [29.6.13(c)]
3. The Office of Air Resources or the Administrator determines that the permit must be revised or revoked to assure compliance with the applicable requirements. [29.6.13(d)]

Reopenings shall not be initiated before a notice of intent to reopen is provided to the permittee by the Office of Air Resources at least 30 days in advance of the date that this permit is to be reopened, except that the Office of Air Resources may provide a shorter time period in the case of an emergency. [29.9.5(b)]

Proceedings to reopen and issue this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening shall be made as expeditiously as practicable. [29.9.5(a)]

All permit conditions remain in effect until such time as the Office of Air Resources takes final action. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [§70.6(a)(6)(iii)]

L. Severability Clause

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [29.6.8(b)]

M. Off-Permit Changes

1. The permittee is allowed to make certain changes that are not addressed or prohibited by this permit without a permit revision, provided that the following conditions are met: [29.11.2(a)]
 - a. Each such change shall not violate any term or condition of this permit. [29.11.2(b)]
 - b. Each change shall comply with all applicable requirements. [29.11.2(b)]
 - c. Changes under this provision may not include changes or activities subject to any requirement under Title IV or modifications under any provision of Title I of the Clean Air Act. [29.11.2(a)]
 - d. Before the permit change is made, the permittee must provide contemporaneous written notice to the Office of Air Resources and the USEPA Region I, except for changes that qualify as insignificant activities in

Appendix A of APC Regulation No. 29. This notice shall describe each change, including the date, and change in emissions, pollutants emitted, and any applicable requirement that would apply as a result of the change. [29.11.2(c)]

- e. The permit shield does not apply to changes made under this provision. [29.11.2(d)]
 - f. The permittee shall keep a record describing changes made at the stationary source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under this permit, and the emissions resulting from those changes, including any other data necessary to show compliance with applicable ambient air quality standards. The record shall reside at the permittee's facility. [29.11.2(e)]
- 2. Changes made pursuant to this provision shall not be exempt from the requirement to obtain a minor source permit pursuant to the requirements of Air Pollution Control Regulation No. 9, if applicable. [29.11.2(a)]
 - 3. Changes made pursuant to this provision shall be incorporated into this permit at the time of renewal. [29.11.2(f)]

N. Section 502(b)(10) Changes

- 1. The permittee is allowed to make changes within this permitted facility that contravene the specific terms of this permit without applying for a permit revision, provided the changes do not exceed the emissions allowable under this permit, whether expressed therein as a rate of emissions or in terms of total emissions and are not Title I modifications. This class of changes does not include:
 - a. changes that would violate applicable requirements; or
 - b. changes to federally-enforceable permit terms or conditions that are monitoring (including test methods), recordkeeping, reporting, or compliance certification requirements. [29.11.1(a), 29.1.36]
- 2. The permittee shall provide written notice to the Office of Air Resources and the USEPA Region I of any change made under this provision. The notice must be received by the Office of Air Resources no later than fourteen (14) days in advance of the proposed changes. The notice shall include information describing the nature of the change, the effect of the change on the emission of any air contaminant, the scheduled completion date of the planned change and identify any permit terms or conditions that are no longer applicable as a result of the change. The permittee shall attach each notice to its copy of this permit. [29.11.1(a)(1), 29.11.1(a)(2)]
- 3. The permittee shall be allowed to make such change proposed in its notice the day following the last day of the advance notice described in paragraph 2 if the Office of

Air Resources has not responded nor objected to the proposed change on or before that day. [29.11.1(b)]

4. Any permit shield provided in this permit does not apply to changes made under this provision. If subsequent changes cause the permittee's operations and emissions to revert to those anticipated in this permit, the permittee resumes compliance with the terms and conditions of the permit, and has provided the Office of Air Resources and USEPA with a minimum of fourteen (14) days advance notice of such changes in accordance with the provisions of paragraph 2, the permit shield shall be reinstated in accordance with terms and conditions stated in this permit. [29.11.1(c)]
5. Changes made pursuant to this provision shall be incorporated into the operating permit at the time of renewal. [29.11.1(d)]

O. Emissions Trading

No permit revision shall be required under any approved economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in the permit. [29.6.6(a)]

P. Emission of Air Contaminants Detrimental to Person or Property

The permittee shall not emit any air contaminant which either alone or in connection with other emissions, by reason of their concentration or duration, may be injurious to human, plant or animal life, or cause damage to property or which unreasonably interferes with the enjoyment of life or property. [7.1]

Q. Odors

1. The permittee shall not emit or cause to be emitted into the atmosphere any air contaminant or combination of air contaminants which creates an objectionable odor beyond the property line of this facility. [17.1]
2. A staff member of the Office of Air Resources shall determine by personal observation if an odor is objectionable, taking into account its nature, concentration, location, duration and source. [17.2]

R. Visible Emissions

1. Except as may be specified in other provisions of this permit, the permittee shall not emit into the atmosphere, from any emission unit, any air contaminant, for a period or periods aggregating more than three minutes in any one hour, which is greater than or equal to 20 percent opacity. [1.2] Where the presence of uncombined water is the only reason for failure to meet this requirement, such failure shall not be a violation of this permit. [1.4]

2. Tests for determining compliance with the opacity limitations specified in this permit shall be performed per 40 CFR 60, Appendix A, Method 9. Additionally, all observers must qualify as per 40 CFR 60, Appendix A, Method 9. [1.3.1, 1.3.2]

S. Open Fires

It shall be unlawful for the permittee to burn any material in an open fire, except as provided in APC Regulation No. 4, Section 4.3. [4.2]

T. Construction Permits

It shall be unlawful for the permittee to construct, install, modify or cause the construction, installation or modification of any stationary source subject to the provisions of APC Regulation No. 9 without obtaining either a minor source permit or a major source permit from the Director. [9.2.1]

U. Sulfur in Fuel

1. Except as may be specified in other provisions of this permit, unless the Director declares in writing after a hearing that a shortage of low sulfur fuel exists, the permittee shall not use or store fuel oil with a sulfur content greater than 1.0%, except for use with marine vessels or motor vehicles. [8.2, 8.3.6]
2. Compliance with the sulfur in fuel limitations contained in this section shall be determined by the procedures listed below or by another method deemed equivalent by the Director and USEPA: [29.6.3(b)]
 - a. For each shipment of fuel oil, the permittee shall obtain a certification from the fuel supplier which contains:
 - (1) For distillate fuel oil:
 - (a) the name of the supplier
 - (b) a statement that the oil complies with the specification for fuel oil number 1 or 2, as defined by the American Society for Testing and Materials in ASTM D396-78 "Standard Specification for Fuel Oils."
 - (2) For residual fuel oil:
 - (a) The name of the supplier,
 - (b) The nitrogen and sulfur content of the oil and the ASTM method used to determine the nitrogen and sulfur content of the oil,

- (c) The location of the oil when the sample was drawn for analysis to determine the nitrogen and sulfur content of the oil, specifically including whether the oil was sampled as delivered to the permittee or whether the sample was drawn from oil in storage at the oil suppliers/refiners facility or another location. [27.6.5(a – d), 8.4.1(b)]
- (3) For diesel fuel oil:
 - (a) the name of the supplier
 - (b) a statement that the oil complies with the specification for diesel fuel oil grade 1-D or 2-D, as defined by the American Society for Testing and Materials in ASTM D975-03 “Standard Specification for Fuel Oils.”
- b. As an alternative to fuel oil certification, the permittee may elect to sample the fuel oil prior to combustion. Sampling and analysis shall be conducted after each new shipment of fuel oil is received. Samples shall be collected from the fuel tank immediately after the fuel tank is filled and before any fuel oil is combusted. [27.6.6, 8.4.1(b)]
- c. All fuel oil must be sampled and analyzed according to ASTM methods which have the prior approval of or are required by the Office. [27.6.6, 8.4.1(b)]
- d. Copies of the fuel oil analysis sheets shall be maintained at the facility and be made accessible for review by the Office or designated personnel of the Office and EPA. These records shall include a certified statement, signed by a responsible official, that the records represent all of the fuel combusted during each quarter. [27.6.7]
- e. The Director may require, under his supervision, the collection of fossil fuel samples for the purpose of determining compliance with the sulfur limitations in this permit. Sampling and analysis of fossil fuels under Condition II.U.2 of this permit shall not limit the collection of samples under this condition. [8.4.3]

V. Air Pollution Episodes

Conditions justifying the proclamation of an air pollution alert, air pollution warning or air pollution emergency shall be deemed to exist whenever the Director determines that the accumulation of air pollutants in any place is attaining or has attained levels which could, if such levels are sustained or exceeded, lead to a substantial threat to the health of persons. If

the governor declares an air pollution alert, air pollution warning or air pollution emergency, the permittee shall comply with the applicable requirements contained in APC Regulation No. 10. [10.1]

W. Fugitive Dust

The permittee shall not cause or permit any materials, including but not limited to sand, gravel, soil, aggregate and any other organic or inorganic solid matter capable of releasing dust, to be handled, transported, mined, quarried, stored or otherwise utilized in any way so as to cause airborne particulate matter to travel beyond the property line of the facility without taking adequate precautions to prevent particulate matter from becoming airborne. Such precaution shall be in accordance with good industrial practice as determined by the Director and/or shall be other reasonable fugitive dust prevention measures as determined by the Director. [5.2]

X. Compliance Certifications

1. The permittee shall submit a certification of compliance with permit terms and conditions annually. [29.6.5(c)(1)]
2. The certification shall describe the following:
 - a. the permit term or condition that is the basis of the certification; [29.6.5(c)(3)a]
 - b. the current compliance status; [29.6.5(c)(3)b]
 - c. whether compliance was continuous or intermittent; [29.6.5(c)(3)c]
 - d. the methods used for determining compliance, currently and over the reporting period; and [29.6.5(c)(3)d]
3. All compliance certifications shall be submitted to the Office of Air Resources and to the USEPA Region I. It shall be submitted within 60 days following the end of the reporting period which is the calendar year unless otherwise specified. [29.6.5(c)(4)]
4. All compliance certifications shall be certified as being true, accurate, and complete by a responsible corporate official. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the certification are true, accurate, and complete. [29.6.8(e)]

Y. Permit Shield

1. Compliance with the terms and conditions of this permit shall be deemed compliance with all requirements applicable to the source in: Approval Nos. 129, 552, 1350, Consent Agreement 96-06-AP and 01-02-AP, 40 CFR 60 Subpart CC, 40 CFR 60 Subpart Kb, 40 CFR 60 Subpart A, and Rhode Island APC Regulation Nos. 1, 4, 5, 7, 8, 9, 10, 13, 14, 16, 17, 27, 28 and 29. [29.6.12(a)(1)]
2. The Office of Air Resources has determined that units B003, P002, P005, P006, P007, P016 and P023 are not subject to Rhode Island APC Regulation Nos. 2, 3, 6, 11, 12, 15, 18, 19, 20, 21, 22, 24, 25, 26, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39 and 41. [29.6.12(a)(2)]
3. Nothing in this permit shall alter or affect the following:
 - a. the provisions of Section 303 of the Clean Air Act, including the authority of EPA under that Section. [29.6.12(c)(1)]
 - b. the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance. [29.6.12(c)(2)]
 - c. the applicable requirements of the acid rain program consistent with Section 408 of the Clean Air Act. [29.6.12(c)(3)]
 - d. the ability of the EPA to obtain information under Section 114. [29.6.12(c)(4)]
4. If it is determined that this operating permit was issued based on inaccurate or incomplete information provided by the permittee, this permit shield shall be void as to the portions of this permit which are affected, directly or indirectly, by the inaccurate or incomplete information. [29.6.12(d)]

Z. Recordkeeping

1. The permittee shall, at the request of the Director, provide data on operational processes, fuel usage, raw materials, stack dimensions, exhaust gas flow rates and temperatures, emissions of air contaminants, steam or hot water generator capacities, types of equipment producing air contaminants and air pollution control systems or other data that may be necessary to determine if the facility is in compliance with air pollution control regulations. [14.2.1]
2. All records and supporting information required by this permit shall be maintained at the permittee's 1193 Broad Street facility for a period of at least 5 years from the date of sample monitoring, measurement, report or application, and shall be made available to representatives of the Office of Air Resources and EPA upon request. Supporting information includes all calibration and maintenance records and all

original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. [14.2.1, 29.6.4(a)(2), Consent Agreement 96-06-AP(12), Consent Agreement 01-02-AP(7), Approval No. 1350(V)(K)]

3. The permittee shall keep records of required monitoring information that include the following:
 - a. The date, place and time of sampling or measurements; [29.6.4(a)(1)a]
 - b. The date(s) analyses were performed; [29.6.4(a)(1)b]
 - c. The company or entity that performed the analyses; [29.6.4(a)(1)c]
 - d. The analytical techniques or methods used; [29.6.4(a)(1)d]
 - e. The results of such analyses; and [29.6.4(a)(1)e]
 - f. The operating conditions as existing at the time of sampling or measurement. [29.6.4(a)(1)f]

AA. Reporting

1. The permittee shall, at the request of the Director, maintain and record and provide data on operational processes, fuel usage, raw materials, stack dimensions, exhaust gas flow rates and temperatures, emissions of air contaminants, steam or hot water generator capacities, types of equipment producing air contaminants and air pollution control systems or other data that may be necessary to determine if the facility is in compliance with air pollution control regulations. [14.2.1]
2. The information recorded by the permittee pursuant to Condition II.Z.1 of this Section shall be summarized and reported at least annually to the Director. It shall be submitted by April 15th unless otherwise specified. Information submitted pursuant to this condition will be correlated with applicable emissions limitations and other applicable emissions information and will be available for public inspection. [14.2.2, 14.2.3]
3. The permittee shall submit reports of any required monitoring for each semi annual period ending 30 June and 31 December of every calendar year. These reports shall be due to the Office of Air Resources no later than forty-five (45) days after the end of the reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by a responsible official consistent with condition II.X.4. [29.6.4(b)(1)]
4. Deviations from permit conditions, including those attributable to upset conditions as defined in this permit, shall be reported, in writing, within five (5) business days of

the deviation, to the Office of Air Resources. A copy of any such report shall be sent to the USEPA Region I. Reports shall describe the probable cause of such deviations, and any corrective actions or preventive measures taken. Each report must be certified by a responsible official consistent with Condition II.X.4. of this permit. [29.6.4(b)(2)]

5. The Office shall be notified in writing of any planned physical change or operational change to the emissions units and control devices identified in this permit. Such notification shall include information describing the nature of the change, information describing the effect of the change on the emissions of air contaminants and the scheduled completion date of the planned change. Any change which may result in an increased emission rate of any air contaminant shall be subject to approval of the Office. [29.6.3(b), Approval No. 1350(V)(I), , 40 CFR 60.7(4)]

BB. Credible Evidence

For the purpose of submitting compliance certifications or establishing whether or not the permittee has violated or is in violation of any provision of this permit, the methods used in this permit shall be used as applicable. However, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information, relevant to whether the permittee would have been in compliance with applicable provisions of this permit if the appropriate performance or compliance test procedures or methods had been performed. [40 CFR 51.212(c), 52.12(c), 52.33(a), 60.11(g)]

CC. Emission Statements

1. The permittee shall submit annually an emission statement which includes information for both VOC and NO_x. Emission statements shall be submitted to the Office of Air Resources within 45 days of the end of the calendar year. The permittee may apply to the Office of Air Resources to be allowed to discontinue submitting annual emission statements if actual emissions at the facility decrease to below 10 tons per year as a result of a permanent process change. [14.3.1]

The permittee shall submit an emission statement in a format approved by the Office of Air Resources. The emission statement shall contain the following information: [14.3.2]

- a. A certification that the information contained in the emission statement is accurate and complete to the best knowledge of the certifying individual.
- b. The full name, title, signature, date of signature, and telephone number of the certifying individual.
- c. Facility identification information, including the full name, physical location, mailing address, latitude, longitude, and four digit SIC code(s).

- d. Process data pertaining to each process emitting VOC and/or NO_x, including:
 - (1) Annual and typical ozone season daily fuel use,
 - (2) Annual and typical ozone season daily process rate(s), and
 - (3) Process throughput while air pollution control equipment was not in operation.
- e. Operating data pertaining to each process emitting VOC and/or NO_x during the reporting year, including:
 - (1) Percentage annual throughput,
 - (2) Average hours of operation per day during the reporting year and on a typical ozone season day,
 - (3) Average number of days of operation per week during the reporting year and during a typical ozone season week, and
 - (4) Weeks of operation during the reporting year and during the peak ozone season.
- f. Control equipment information, including:
 - (1) Specific primary and secondary control equipment for each process emitting VOC and/or NO_x,
 - (2) Current overall control efficiency for each piece of control equipment (indicated by percent capture and percent destruction or removal), and
 - (3) Control equipment downtime during the reporting year and during the peak ozone season.
- g. Emissions information, including:
 - (1) Actual annual and typical ozone season daily emissions of VOC and NO_x for each process. Emissions should be reported in tons per year and in pounds per day.
 - (2) A description of the emission calculation method and, if applicable, emission factor(s) used, and
 - (3) The calendar year for which emissions are reported.
- h. Any additional information required by the Director to document the facility's emission statements.

DD. Miscellaneous Conditions

- 1. This permit may be modified, revoked, reopened, reissued or terminated for cause. The filing of a request, by the permittee, for a permit modification, revocation and

reissuance or termination or of a notification of planned changes or anticipated noncompliance does not release the permittee from the conditions of this permit. [29.6.8(c)(3)]

2. Any application for a permit revision need only submit information related to the proposed change. [29.4.3(c)]
3. Terms not otherwise defined in this permit shall have the meaning given to such terms in 40 CFR 60.2 of the Clean Air Act as amended in 1990 or the referenced regulation as applicable.
4. Where more than one condition in this permit applies to an emission unit and/or the entire facility, the most stringent condition shall apply.

SECTION III. SPECIAL CONDITIONS

A. Prevention of Accidental Releases

This section contains air pollution control requirements that are applicable to this facility, and the United States Environmental Protection Agency enforces these requirements.

Your facility is subject to the requirements of the General Duty Clause, under 112(r)(1) of the CAA Amendments of 1990. This clause specifies that owners or operators of stationary sources producing, processing, handling or storing a chemical in any quantity listed in 40 CFR Part 68 or any other extremely hazardous substance have a general duty to identify hazards associated with these substances and to design, operate and maintain a safe facility, in order to prevent releases and to minimize the consequences of accidental releases which may occur.